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**Roll No:42**

**Batch: MCA B**

**Date:17/05/2022**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: 8**

**Aim**

Area of different shapes using overloaded functions

**Procedure**

import java.util.Scanner;

public class FunctionConstArg {

public static void main (String[] args)

{

float r;

int s,a,b;

System.out.println("Enter Radius of circle:");

Scanner input = new Scanner(System.in);

r = input.nextFloat();

System.out.println("Enter Side of square:");

s = input.nextInt();

System.out.println("Enter length and breadth of rectangle:");

a = input.nextInt();

b = input.nextInt();

System.out.println("Area of Circle= "+area(r,3.142f));

System.out.println("Area of Square= "+area(s));

System.out.println("Area of Rectangle= "+area(a,b));

}

public static float area(float a,float pi)

{

float ar = pi\*a\*a;

return ar;

}

public static int area(int a)

{

int ar = a\*a;

return ar;

}

public static int area(int a,int b)

{

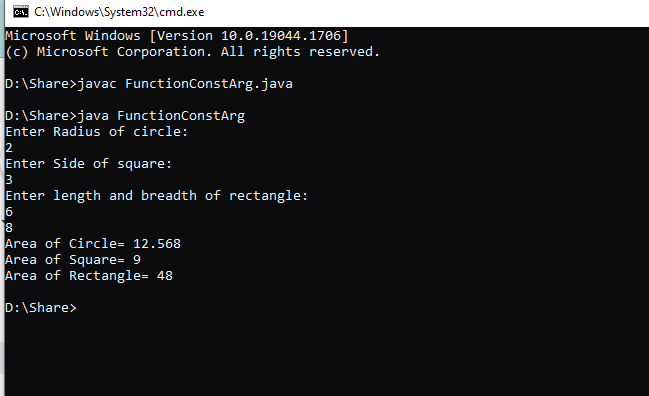
int ar = a\*b;

return ar;

}

}

**Output Screenshot**

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